

FILE 'REGISTRY' ENTERED AT 00:22:52 ON 03 DEC 2001

L37 6 S PROVADO
L38 0 S ADMIRE 2F
L39 3 S ADMIRE
L40 2 S METRIBUZIN/CN OR TEBUCONAZOLE/CN
L41 3 S L40 OR 138261-41-3
L42 1 S PERACETIC ACID/CN

FILE 'CAPLUS' ENTERED AT 00:27:36 ON 03 DEC 2001

L43 1 S L41 AND L42
L44 1412 S CHLORONICOTIN? OR CHLOROTHIAZOL?
L45 0 S L44 AND L42
L46 17 S (INSECTICID? OR HERBICID?) AND L42

FILE 'STNGUIDE' ENTERED AT 00:31:01 ON 03 DEC 2001

L47 0 S L42 (5A) PRESERVATIVE#

FILE 'CAPLUS' ENTERED AT 00:34:31 ON 03 DEC 2001

L48 3 S L42 (5A) PRESERVATIVE#
L49 1225 S PRESERVATIVE (L) (PESTICID? OR HERBICID? OR BIOCID? OR INSECT
L50 1 S L49 AND L42
L51 80 S (PERACETIC ACID OR ACETIC PEROXIDE OR PERETHANOIC ACID OR PER

=> d que l49; d que l51

L49 1225 SEA FILE=CAPLUS PRESERVATIVE (L) (PESTICID? OR HERBICID? OR
BIOCID? OR INSECTICID? OR FUNGICID?)

L51 80 SEA FILE=CAPLUS (PERACETIC ACID OR ACETIC PEROXIDE OR
PERETHANOIC ACID OR PEROXOACETIC ACID OR PROXITANE)/AB AND
(HERBICID? OR INSECTICID? OR PESTICID? OR FUNGICID?)

L52 47 (PERACETIC ACID OR ACETIC PEROXIDE OR PERETHANOIC ACID OR
PEROXOACETIC ACID OR PROXITANE)/AB AND (HERBICID? OR INSECTICID? OR
PESTICID? OR FUNGICID?)/AB

FILE 'REGISTRY' ENTERED AT 00:58:46 ON 03 DEC 2001

SET SMARTSELECT ON
L53 SEL L42 1- CHEM: 23 TERMS
SET SMARTSELECT OFF

FILE 'CABA, AGRICOLA' ENTERED AT 00:58:47 ON 03 DEC 2001

L54 488 S L53/BI
L55 16 S L54 AND (HERBICID? OR PESTICID? OR INSECTICID? OR FUNGICID?)

*Highlighted Answers All reviewed online. Most not relevant.
Only L55 printed out.*

OBSERVATION: Several hits disclose Peracetic as the A.I. but
No significant hits as to use of Peracetic for preserv.-type use in
pesticidal suspensions.

L55 ANSWER 1 OF 16 CABA COPYRIGHT 2001 CABI
 AN 2001:96537 CABA
 DN 20013092438
 TI Postharvest treatments for the reduction of mancozeb in fresh apples
 AU Hwang EunSun; Cash, J. N.; Zabik, M. J.; Hwang, E. S.
 CS Department of Food Science and Human Nutrition, Institute for
 Environmental Toxicology, National Food Safety and Toxicology Center,
 Michigan State University, East Lansing, MI 48824, USA.
 SO Journal of Agricultural and Food Chemistry, (2001) Vol. 49, No. 6, pp.
 3127-3132. 19 ref.
 ISSN: 0021-8561
 DT Journal
 LA English
 AB The objective of this study was to determine the effectiveness of
 chlorine, chlorine dioxide, ozone, and hydrogen **peroxyacetic**
acid (HPA) treatments on the degradation of mancozeb and
 ethylenethiourea (ETU) in apples. This study was based on model
 experiments at neutral pH and temperature. Fresh apples were treated with
 two different levels of mancozeb (1 and 10 micro g/mL). Several of the
 treatments were effective in reducing or removing mancozeb and ETU
 residues on spiked apples. Mancozeb residues decreased 56-99% with
 chlorine and 36-87% with chlorine dioxide treatments. ETU was completely
 degraded by 500 ppm of calcium hypochlorite and 10 ppm of chlorine dioxide
 at a 1 ppm spike level. However, at a 10 ppm spike level, the
 effectiveness of ETU degradation was lower than observed at 1 ppm level.
 Mancozeb residues decreased 56-97% with ozone treatment. At 1 and 3 ppm of
 ozone, no ETU residue was detected at 1 ppm of spiked mancozeb after both
 3 and 30 min. HPA was also effective in degrading the mancozeb residues,
 with 44-99% reduction depending on treatment time and HPA concentrations.
 ETU was completely degraded at 500 ppm of HPA after 30 min of reaction
 time. These treatments indicated good potential for the removal of
pesticide residues on fruit and in processed products.

L55 ANSWER 2 OF 16 CABA COPYRIGHT 2001 CABI
 AN 1999:104590 CABA
 DN 990403609
 TI Food safety first
 AU Meyer, B.; Meltz, K. D.
 SO Dairy Industries International, (1999) Vol. 64, No. 4, pp. 37, 39, 41. 8
 ref.
 ISSN: 0308-8197
 DT Journal
 LA English
 AB A new disinfectant, P3-oxysan, which combines **peracetic**
acid and a surface-active agent in a synergistic formulation, is
 aimed at overcoming the problems of corrosiveness of **peracetic**
acid and its weak **fungicidal** efficacy against some
 species of moulds. The suitability of P3-oxysan for use in dairy
 applications, and its possible influence on milk flavour and starter
 activity, are discussed, and it is concluded that P3-oxysan is a safe
 disinfectant.

L55 ANSWER 3 OF 16 CABA COPYRIGHT 2001 CABI
 AN 1999:84767 CABA
 DN 992206179
 TI **Peracetic acid** (PAA) as a low-temperature
 disinfectant-sterilizer of milking and milk-processing equipment
 El acido peracetico (PAA), desinfectante-esterilizante en frio de equipos
 de ordeno y de plantas lacteas
 AU Lager, J. R.
 CS Zurich 3190 (1417) Capital Federal, Argentina.
 SO Veterinaria Argentina, (1998) Vol. 15, No. 150, pp. 719-726. 4 ref.

ISSN: 0326-4629

DT Journal

LA Spanish

SL English

AB The author describes research done on the suitability of PAA for sterilizing milking and milk-processing equipment. In-vitro bactericidal and **fungicidal** tests and toxicity tests in mammals are described. The dilution and use of PAA in the dairy and milk-processing plant is described. It is concluded that PAA is effective, cheap, non-toxic to mammals and not harmful to the environment.

L55 ANSWER 4 OF 16 CABA COPYRIGHT 2001 CABI

AN 1999:29052 CABA

DN 991100791

TI Battling thrips: five **pesticides** put to the test

AU Gill, S. A.; Reeser, R.; Raupp, M. J.

CS University of Maryland Cooperative Extension Service, Ellicott City, Maryland, USA.

SO GrowerTalks, (1998) Vol. 62, No. 8, pp. 46-48.

ISSN: 0276-9433

DT Journal

LA English

AB Five spray treatments (Conserve, a bacterial toxin formulation applied at 3.9 or 7.8 oz/30 gallons, ZeroTol, active ingredients peroxyacetic [**peracetic**] **acid** and hydrogen dioxide [peroxide], at 37.2 oz/30 gallons, Sanmite, active ingredient pyriban [pyridaben], at 0.8 oz/20 gallons, and two strains of *Beauveria bassiana*, Naturalis-O and BotaniGard) were applied to garden mums [chrysanthemums] in a commercial greenhouse in Maryland, USA, in 1997 to control the Western flower thrips [*Frankliniella occidentalis*]. Both the chemical treatments and the biological formulations produced good control of the thrips when properly used and, in the case of Conserve, at the highest application rate.

L55 ANSWER 5 OF 16 CABA COPYRIGHT 2001 CABI

AN 1998:166774 CABA

DN 981008076

TI Pest and disease control in U.K. narcissus growing: some aspects of recent research

AU Hanks, G. R.; Linfield, C. A.; Lilien-Kipnis, H. [EDITOR]; Borochoy, A. [EDITOR]; Halevy, A. H. [EDITOR]

CS Horticulture Research International, Kirton, PE20 1NN, UK.

SO Acta Horticulturae, (1997) Vol. II, No. 430, pp. 611-618. 9 ref.

Meeting Info.: Proceedings of the seventh international symposium on flower bulbs, Herzliya, Israel, 10-16 March 1996.

ISSN: 0567-7572; ISBN: 90-6605-819-6

DT Conference Article; Journal

LA English

AB The use of chlorpyrifos as a pre-planting treatment to protect Narcissus bulbs from attack by *Merodon equestris*, was investigated in the UK. Chlorpyrifos was applied in a hot-water treatment (HWT) tank, as a post-HWT cold dip, or as a spray over the bulbs at planting. Before HWT, bulbs were stored at ambient temperatures, at 18 deg C for 2 weeks or at 30 deg for 1 week to reduce the phytotoxic effects of the HWT and chlorpyrifos. Using chlorpyrifos in HWT reduced the number of bulbs with larvae to almost zero after the first growing year. Cold dip and spray treatments were ineffective. The control obtained using chlorpyrifos in HWT did not persist to the second growing year. Unless pre-warming at 30 deg was used, bulb yields at the end of the first growing year were reduced following treatment with chlorpyrifos in HWT. However, crop growth in the second growing year compensated for losses in the first. A **peroxyacetic acid**-based disinfectant was evaluated as a replacement for formaldehyde in HWT. Using a healthy bulb stock, crop growth with **peroxyacetic acid** was at least as good as

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L55 ANSWER 6 OF 16 CABA COPYRIGHT 2001 CABI

AN 97:76371 CABA

DN 971201319

TI Comparative effects of various antibiotics, **fungicides** and disinfectants on *Aphanomyces invaderis* and other saprolegniaceous fungi

AU Lilley, J. H.; Inglis, V.

CS Institute of Aquaculture, University of Stirling, Stirling FK9 4LA, UK.

SO Aquaculture Research, (1997) Vol. 28, No. 6, pp. 461-469. 27 ref.

DT Journal

LA English

AB A total of 54 isolates of various fish-pathogenic and saprophytic fungi were characterized in terms of their susceptibility to 3 antibiotics (penicillin, streptomycin and oxolinic acid), 3 **fungicides** (malachite green, hydrogen peroxide and sodium chloride) and 3 disinfectants (an iodophore, sodium hypochlorite and a solution of **peracetic acid** and hydrogen peroxide). *A. invaderis*, the fungus associated with the Asian fish disease epizootic ulcerative syndrome (EUS); other *Aphanomyces* sp. isolates from the similar conditions redspot disease (RSD) and mycotic granulomatosis (MG); and the crayfish plague fungus, *A. astaci*, were more sensitive to most of the chemical agents than the other fungi tested (*Achlya* and *Saprolegnia* spp.). Two compounds currently being considered for use in aquaculture, hydrogen peroxide and Proxitane 0510, were shown to have some potential for **fungicidal** treatments and disinfection, respectively. The implications of this study with respect to the isolation, treatment and control of *A. invaderis* are discussed.

L55 ANSWER 7 OF 16 CABA COPYRIGHT 2001 CABI

AN 96:100381 CABA

DN 961301555

TI **Fungicidal** effect of 15 disinfectants against 25 fungal contaminants commonly found in bread and cheese manufacturing

AU Bundgaard-Nielsen, K.; Nielsen, P. V.

CS Department of Biotechnology, Technical University of Denmark, DK-2800 Lyngby, Denmark.

SO Journal of Food Protection, (1996) Vol. 59, No. 3, pp. 268-275. 23 ref. ISSN: 0362-028X

DT Journal

LA English

AB Resistance of 19 mould and 6 yeast species to 15 commercial disinfectants was investigated by using a suspension method in which the **fungicidal** effect and germination time were determined at 20 deg C. Disinfectants containing 0.5% dodecyl-diethyl-tri-amin-acetic acid, 10 g of chloramine-T per l, 2.0% formaldehyde, 0.1% potassium hydroxide, 3.0% hydrogen peroxide, or **peracetic acid** were ineffective as **fungicides**. The **fungicidal** effect of quaternary ammonium compounds and chlorine compounds showed great variability between

species and among the six isolates of *Penicillium roquefortii* var. *roquefortii* tested. The isolates of *P. roquefortii* var. *carneum*, *P. discolor*, *Aspergillus versicolor*, and *Eurotium repens* examined were resistant to different quaternary ammonium compounds. Conidia and vegetative cells were killed by alcohols, whereas ascospores were resistant. Resistance of ascospores to 70% ethanol increased with age. Both *P. roquefortii* var. *roquefortii* and *E. repens* showed great variability of resistance within isolates of each species.

L55 ANSWER 8 OF 16 CABA COPYRIGHT 2001 CABI

AN 91:123291 CABA

DN 912312632

TI A comparative study on the effects of five chemicals on the survival of chlamydospores of *Fusarium oxysporum* f.sp. *narcissi*

AU Linfield, C. A.

CS AFRC Institute of Horticultural Research, Littlehampton, West Sussex, UK.

SO Journal of Phytopathology, (1991) Vol. 131, No. 4, pp. 297-304. 13 ref.
ISSN: 0931-1785

DT Journal

LA English

SL German

AB In vitro tests showed a glutaraldehyde formulation, Cidex, to kill 100% of *F. oxysporum* f.sp. *narcissi* chlamydospores within 160 min at a dose rate of 0.25% a.i. or more. Similarly, Peratol, a formulation containing hydrogen peroxide and **peracetic acid**, gave 100% kill after 80 min at a concn of 0.5%, and Storite Clear Liquid, a thiabendazole formulation, gave 100% kill after 15 min at a concn of 5%. In contrast, Decon 90 failed to give adequate control, and formaldehyde (as 0.5% commercial formalin) gave good, but not total control of the fungus. At higher rates (2.5%), formaldehyde caused flower malformation and corkiness of bulb base plants in *Narcissus*, whereas none of the other products was phytotoxic. Results suggested that Cidex, Peratol and Storite Clear Liquid may be suitable replacements for formaldehyde for use in hot water treatment for the control of basal rot in *Narcissus*.

L55 ANSWER 9 OF 16 CABA COPYRIGHT 2001 CABI

AN 90:93576 CABA

DN 901146766

TI Effect of experimental bacterial disinfectants applied to oranges on postharvest decay

AU Brown, G. E.

CS Florida Department of Citrus, Scientific Research Department, CREC, Lake Alfred, FL 33850, USA.

SO Proceedings of the Florida State Horticultural Society, (1987) Vol. 100, pp. 20-22. 10 ref.
ISSN: 0886-7283

DT Conference Article; Journal

LA English

AB Applications of Alcide, **peracetic acid**, Gallex (dual quaternary ammonium chloride (QAC)), Bear-Cat 20 Plus (multi QAC) and benzoyl peroxide during washing for 30 s followed by removal at rinsing or application after rinsing did not control stem-end rot in degreened oranges caused by *Diplodia natalensis* [*Botryodiplodia theobromae*]. When followed by a non-recovery application of thiabendazole, control was no better than the control obtained with thiabendazole alone. The disinfectants multi QAC and Alcide applied to non-degreened fruit after washing controlled stem-end rot (*Phomopsis* [*Diaporthe*] *citri*) and green mould (*Penicillium digitatum*) in some tests. In some instances, separate applications of disinfectant with thiabendazole were more effective than either the disinfectant or the **fungicide** applied alone. In culture studies, the QAC compounds reduced growth of *P. digitatum* more effectively than that of the other decay fungi. Isolates of *P. digitatum* resistant to the benzimidazole **fungicides** responded in a similar

way to a benzimidazole sensitive isolate. This paper was presented at the 100th annual meeting of the Florida State Horticultural Society, held at Orlando, Florida, USA on 2-5 Nov. 1987.

L55 ANSWER 10 OF 16 CABA COPYRIGHT 2001 CABI

AN 86:39321 CABA

DN 862276020

TI Investigations on the sporicidal and **fungicidal** activity of disinfectants

AU Lensing, H. H.; Oei, H. L.

CS Central Vet. Inst., PO Box 65, 8200 AB Lelystad, Netherlands.

SO Zentralblatt fur Bakteriologie Mikrobiologie und Hygiene, B, (1985) Vol. 181, No. 6, pp. 487-495. 17 ref.

DT Journal

LA English

SL German

AB Glutaraldehyde 4%, sodium/dichloroisocyanurate dihydrate (2400 mg/l active chlorine) and **peracetic acid** 0.25% demonstrated after 30 min of exposure at 20 deg C in the presence of 4% horse serum a clear activity against spores of *Bacillus cereus*. Under the same conditions formaldehyde 4% and glutaraldehyde 2% were also sporicidal, but only after a longer time of exposure. Spores of *B. anthracis* and *B. cereus* appeared to be comparatively resistant against these disinfectants, whereas conidiospores of *Aspergillus fumigatus* and *A. niger* were less resistant. Of the microorganisms tested *Candida albicans* were the least resistant, and spores of *B. subtilis* the most resistant. It is concluded that *B. cereus* spores and *A. fumigatus* conidiospores appear to be suitable test organisms.

L55 ANSWER 11 OF 16 CABA COPYRIGHT 2001 CABI

AN 82:73746 CABA

DN 821387165

TI Investigations on the occurrence of *Cryptococcus neoformans* and its resistance to disinfectants

Untersuchungen zum Vorkommen und zur Desinfektionsmittelresistenz von *Cryptococcus neoformans*

AU Labourdette, R. E.

SO Untersuchungen zum Vorkommen und zur Desinfektionsmittelresistenz von *Cryptococcus neoformans*, (1980) pp. 77. 8 tab. 24 pp. ref.

Publisher: Fachbereich Veterinarmedizin, Justus-Liebig-Universitat Giessen.

CY German Federal Republic

DT Dissertation

LA German

SL Spanish

AB The fungus was isolated from 12 (5.9%) of 204 samples of pigeon excreta, using an agar with a caffeic acid base, containing penicillin, streptomycin and diphenyl (0.1%). Also isolated were 226 str. of other fungi including *Torulopsis*, *Candida* and *Rhodotorula* spp. Nine *C. neoformans* str. tested against formalin, phenol, Tegodor 73 and **peracetic acid** were more sensitive than *C. albicans* and *Debaryomyces hansenii*, used as controls. After 60 min 1% formalin, 1% phenol, 0.03% Tegodor 73 and 0.12% **peracetic acid** had a **fungicidal** effect on the 9 str.

L55 ANSWER 12 OF 16 CABA COPYRIGHT 2001 CABI

AN 80:109646 CABA

DN 791952237

TI Gas-liquid chromatographic determination of aldicarb, aldicarb sulfoxide and aldicarb sulfone and water using a Hall electrolytic detector

AU Galoux, M.; Damme, J. C. Van; Bernes, A.; Potvin, J.

CS Station de Phytopharmacie de l'Etat, 11, rue du Bordia, B-5800-Gembloux, Belgium.

SO Journal of Chromatography, (1979) Vol. 177, No. 2, pp. 245-253. 6 ref.
ISSN: 0021-9673

DT Journal

LA English

AB A method is described for the determination of individual components of toxic aldicarb residues (aldicarb sulfoxide and aldicarb sulfone) in water and soils using a gas chromatographic method with the Hall electrolytic conductivity detector. Aldicarb and its metabolites were extracted from water by chloroform and from soils by water-acetone and water-methanol mixtures. They were separated on a Florisil column and identified by GLC after conversion into aldicarb sulfone by **peracetic acid** oxidation. The sensitivity of the method is ca. 0.05 ppm of aldicarb.

L55 ANSWER 13 OF 16 CABA COPYRIGHT 2001 CABI

AN 78:64467 CABA

DN 781345201

TI Sensitivity of *T. faviforme* to various disinfectants
Чувствителност на *T. faviforme* към дезинфекционни средства на различни препарати

AU Iovchev, E.; Duparinova, M.; Duparinov, I.

CS Cent. Vet. Res. Inst., Sofia, Bulgaria.

SO Veterinarno-Meditsinski Nauki, (1977) Vol. 14, No. 2, pp. 32-36. 3 tab. 16 ref.
ISSN: 0324-1068

DT Journal

LA Bulgarian

SL Russian; English

AB In lab. trials 1% vofasteril (34% **peracetic acid**), 1.62% perfumaric acid together with 1% lauryl sulphate and 5% fessiasept (16% chlorinated creosote) killed the fungus after 10 min exposure. Perfumaric acid (1.62%), veraform (25% formaldehyde) (5%) and fessiasept (3%) destroyed *T. faviforme* [*T. verrucosum*] after 15-20 min exposure and vofasteril (0.6%) and Cu sulphate (7-10%) were **fungicidal** after 30-45 min. Aerosols of 40 cm³ formalin, 20 cm³ water and 30 g potassium permanganate were **fungicidal** after 20 h.

L55 ANSWER 14 OF 16 AGRICOLA

AN 1999:15022 AGRICOLA

DN IND21965730

TI Biosynthesis of 2-aceto-2-hydroxy acids: acetolactate synthases and acetohydroxyacid synthases.

AU Chipman, D.; Barak, Z.; Schloss, J.V.

CS Ben Gurion University of the Negev, Beer Sheva, Israel.

AV DNAL (381 B522)

SO Biochimica et biophysica acta = International journal of biochemistry and biophysics, June 29, 1998. Vol. 1385, No. 2. p. 401-419
Publisher: Amsterdam : Elsevier Science B.V.
CODEN: BBACAQ; ISSN: 0006-3002

NTE Includes references

CY Netherlands

DT Article; Law

FS Non-U.S. Imprint other than FAO

LA English

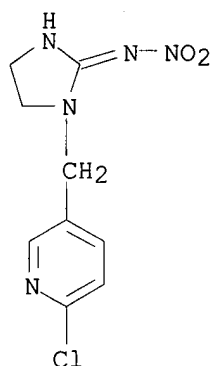
AB Two groups of enzymes are classified as acetolactate synthase (EC 4.1.3.18). This review deals chiefly with the FAD-dependent, biosynthetic enzymes which readily catalyze the formation of acetohydroxybutyrate from pyruvate and 2-oxobutyrate, as well as of acetolactate from two molecules of pyruvate (the ALS/AHAS group). These enzymes are generally susceptible to inhibition by one or more of the branched-chain amino acids which are ultimate products of the acetohydroxyacids, as well as by several classes of **herbicides** (sulfonylureas, imidazolinones and others). Some ALS/AHASs also catalyze the (non-physiological) oxidative decarboxylation of pyruvate, leading to **peracetic acid**; the possible

relationship of this process to oxygen toxicity is considered. The bacterial ALS/AHAS which have been well characterized consist of catalytic subunits (around 60 kDa) and smaller regulatory subunits in an alpha 2 beta 2 structure. In the case of *Escherichia coli* isozyme III, assembly and dissociation of the holoenzyme has been studied. The quaternary structure of the eukaryotic enzymes is less clear and in plants and yeast only catalytic polypeptides (homologous to those of bacteria) have been clearly identified. The presence of regulatory polypeptides in these organisms cannot be ruled out, however, and genes which encode putative ALS/AHAS regulatory subunits have been identified in some cases. A consensus sequence can be constructed from the 21 sequences which have been shown experimentally to represent ALS/AHAS catalytic polypeptides. Many other sequences fit this consensus, but some genes identified as putative 'acetolactate synthase genes' are almost certainly not ALS/AHAS. The solution of the crystal structures of several thiamin diphosphate (ThDP)-dependent enzymes which are homologous to ALS/AHAS, together with the availability of many amino acid sequences for the latter enzymes, has made it possible for two laboratories to propose similar, reasonable models for a dimer of catalytic subunits of an ALS/AHAS. A number of characteristics of these enzymes can now be better understood on the basis of such models: the nature of the **herbicide** binding site, the structural role of FAD and the binding of ThDP-Mg²⁺. The models are also guides for experimental testing of ideas concerning structure-function relationships in these enzymes, e.g. the nature of the substrate recognition site. Among the important remaining questions is how the enzyme suppresses alternative reactions of the intrinsically reactive hydroxyethylThDP enamine formed by the decarboxylation of the first substrate molecule and specifically promotes its condensation with 2-oxobutyrate or pyruvate.

L55 ANSWER 15 OF 16 AGRICOLA
 AN 96:46208 AGRICOLA
 DN IND20524855
 TI **Fungicidal** effect of 15 disinfectants against 25 fungal contaminants commonly found in bread and cheese manufacturing.
 AU Bundgaard-Nielsen, K.; Nielsen, P.V.
 CS Technical University of Denmark, Lyngby, Denmark.
 AV DNAL (44.8 J824)
 SO Journal of food protection, Mar 1996. Vol. 59, No. 3. p. 268-275
 Publisher: Des Moines, Iowa : International Association of Milk, Food and Environmental Sanitarians.
 CODEN: JFPRDR; ISSN: 0362-028X
 NTE Includes references
 CY Iowa; United States
 DT Article
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English
 AB Resistance of 19 mold and 6 yeast species to 15 commercial disinfectants was investigated by using a suspension method in which the **fungicidal** effect and germination time were determined at 20 degrees C. Disinfectants containing 0.5% dodecyldiethylentriaminacetic acid, 10 g of chloramine-T per l, 2.0% formaldehyde, 0.1% potassium hydroxide, 3.0% hydrogen peroxide, or 0.3% **peracetic acid** were ineffective as **fungicides**. The **fungicidal** effect of quaternary ammonium compounds and chlorine compounds showed great variability between species and among the six isolates of *Penicillium roqueforti* var. *roqueforti* tested. The isolates of *P. roqueforti* var. *carneum*, *P. discolor*, *Aspergillus versicolor*, and *Eurotium repens* examined were resistant to different quaternary ammonium compounds. Conidia and vegetative cells were killed by alcohols, whereas ascospores were resistant. Resistance of ascospores to 70% ethanol increased with age. Both *P. roqueforti* var. *roqueforti* and *E. repens* showed great variability of resistance within isolates of each species.

L55 ANSWER 16 OF 16 AGRICOLA
AN 74:6724 AGRICOLA
DN 74-9006761
TI Antimicrobial action of **peracetic acid**. 1.
Fungicidal action. [Aspergillus, Penicillium, Rhizopus, Mucor]
AU Tutumi, M; Imamura, K; Hatano, S; Watanabe, T
AV DNAL (389.9 N57)
SO Nihon Shokuhin Eisei Gakkai J Food Hyg Soc Jap, Oct 1973 Vol. 14, No. 5,
pp. 443-447. Ref. Eng. Sum.
DT Journal; Article
LA Japanese

RN 138261-41-3 REGISTRY
 CN 2-Imidazolidinimine, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro- (9CI) (CA
 INDEX NAME)
 OTHER NAMES:
 CN 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine
 CN ~~Admire~~
 CN BAY-NTN 33893
 CN Confidor
 CN Confidor 200SL
 CN Confidor SL
 CN CP 1
 CN Gaucho
 CN Imidacloprid
 CN Merit
 CN Merit (insecticide)
 CN NTN 33893
 CN ~~Provado~~
 AR 105827-78-9
 MF C9 H10 Cl N5 O2
 CI COM
 SR CAS Registry Services
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS,
 CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, EMBASE, NIOSHTIC, PROMT, RTECS*,
 TOXCENTER, TOXLIT, USPATFULL, VETU
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> s metribuzin/cn or tebuconazole/cn

1 METRIBUZIN/CN

1 TEBUCONAZOLE/CN

L40 2 METRIBUZIN/CN OR TEBUCONAZOLE/CN

=> d 1-2

L40 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2001 ACS

RN 107534-96-3 REGISTRY

CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-
(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-1,2,4-Triazole-1-ethanol, .alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-
(1,1-dimethylethyl)-, (.+-.)-

OTHER NAMES:

CN BAY-HWG 1608

CN Ethyltrianol

CN Etiltrianol

CN Fenetrazole

CN Folicur

CN HWG 1608

CN Preventol A 8

CN Raxil

CN **Tebuconazole**

CN Terbutrazole

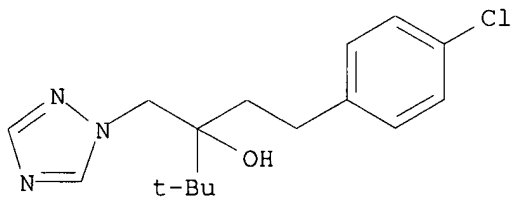
DR 123066-82-0, 80443-41-0

MF C16 H22 Cl N3 O

CI COM

SR CA

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CABA,
CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHM, CSNB, DDFU,
DETERM*, DRUGU, MEDLINE, MRCK*, NIOSHTIC, PIRA, PROMT, RTECS*,
SPECINFO, TOXCENTER, TOXLIT, ULIDAT, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

578 REFERENCES IN FILE CA (1967 TO DATE)

54 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

579 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L40 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2001 ACS

RN 21087-64-9 REGISTRY

CN 1,2,4-Triazin-5(4H)-one, 4-amino-6-(1,1-dimethylethyl)-3-(methylthio)-
(9CI) (CA INDEX NAME)

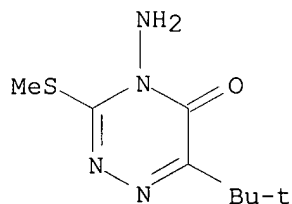
OTHER CA INDEX NAMES:

CN as-Triazin-5(4H)-one, 4-amino-6-tert-butyl-3-(methylthio)- (8CI)

OTHER NAMES:

CN 3-Methylthio-4-amino-6-tert-butyl-1,2,4-triazin-5(4H)-one

CN 3-Methylthio-4-amino-6-tert-butyl-1,2,4-triazin-5-one
 CN 4-Amino-6-(1,1-dimethylethyl)-3-(methylthio)-1,2,4-triazin-5(4H)-one
 CN 4-Amino-6-tert-butyl-3-(methylthio)-1,2,4-triazin-5(4H)-one
 CN 4-Amino-6-tert-butyl-3-(methylthio)-1,2,4-triazin-5-one
 CN 4-Amino-6-tert-butyl-3-(methylthio)-1,2,4-triazine-5(4H)-one
 CN 4-Amino-6-tert-butyl-3-(methylthio)-4,5-dihydro-1,2,4-triazin-5-one
 CN 4-Amino-6-tert-butyl-3-(methylthio)-as-triazin-5(4H)-one
 CN BAY 6159
 CN BAY 61597
 CN BAY 6159H
 CN BAY 94337
 CN Bayer 6159
 CN Lexone
 CN Lexone DF
 CN **Metribuzin**
 CN Metribuzine
 CN Sencor
 CN Sencor 4F
 CN Sencor 75DF
 CN Sencorex
 CN Sencorex L.F.
 CN Senkor
 FS 3D CONCORD
 MF C8 H14 N4 O S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, HSDB*, IFICDB, IFIPAT,
 IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT, RTECS*,
 SPECINFO, TOXCENTER, TOXLIT, ULIDAT, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2329 REFERENCES IN FILE CA (1967 TO DATE)
 68 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2331 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L55 ANSWER 10 OF 16 CABA COPYRIGHT 2001 CABI
AN 86:39321 CABA
DN 862276020
TI Investigations on the sporicidal and **fungicidal** activity of
disinfectants
AU Lensing, H. H.; Oei, H. L.
CS Central Vet. Inst., PO Box 65, 8200 AB Lelystad, Netherlands.
SO Zentralblatt fur Bakteriologie Mikrobiologie und Hygiene, B, (1985) Vol.
181, No. 6, pp. 487-495. 17 ref.
DT Journal
LA English
SL German
AB Glutaraldehyde 4%, sodium/dichloroisocyanurate dihydrate (2400 mg/l active
chlorine) and **peracetic acid** 0.25% demonstrated after
30 min of exposure at 20 deg C in the presence of 4% horse serum a clear
activity against spores of Bacillus cereus. Under the same conditions
formaldehyde 4% and glutaraldehyde 2% were also sporicidal, but only after
a longer time of exposure. Spores of B. anthracis and B. cereus appeared
to be comparatively resistant against these disinfectants, whereas
conidiospores of Aspergillus fumigatus and A. niger were less resistant.
Of the microorganisms tested Candida albicans were the least resistant,
and spores of B. subtilis the most resistant. It is concluded that B.
cereus spores and A. fumigatus conidiospores appear to be suitable test
organisms.

L55 ANSWER 11 OF 16 CABA COPYRIGHT 2001 CABI
 AN 82:73746 CABA
 DN 821387165
 TI Investigations on the occurrence of *Cryptococcus neoformans* and its resistance to disinfectants
 Untersuchungen zum Vorkommen und zur Desinfektionsmittelresistenz von *Cryptococcus neoformans*
 AU Labourdette, R. E.
 SO Untersuchungen zum Vorkommen und zur Desinfektionsmittelresistenz von *Cryptococcus neoformans*, (1980) pp. 77. 8 tab. 24 pp. ref.
 Publisher: Fachbereich Veterinarmedizin, Justus-Liebig-Universität Giessen.
 CY German Federal Republic
 DT Dissertation
 LA German
 SL Spanish
 AB The fungus was isolated from 12 (5.9%) of 204 samples of pigeon excreta, using an agar with a caffeic acid base, containing penicillin, streptomycin and diphenyl (0.1%). Also isolated were 226 str. of other fungi including *Torulopsis*, *Candida* and *Rhodotorula* spp. Nine *C. neoformans* str. tested against formalin, phenol, Tegodor 73 and **peracetic acid** were more sensitive than *C. albicans* and *Debaryomyces hansenii*, used as controls. After 60 min 1% formalin, 1% phenol, 0.03% Tegodor 73 and 0.12% **peracetic acid** had a fungicidal effect on the 9 str.